

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((("5468397") or ("5520890") or ("3666097") or ("6320025")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 13:31
S1	1	((("6878292") or ("2003178376")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 09:49
S2	2	((("6878292") or ("20030178376")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 09:49
S3	1	("7132531").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 09:51
S4	2	((("7132531") or ("6320025")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 09:51
S5	498	filter reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:00
S6	349	S5 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:00
S7	13	S6 and solid phase	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:01
S8	165	reactor same filter cartridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:03
S9	138	S8 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:03
S10	30406	outlet with (vapor or gas) inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:04
S11	2	S9 and outlet with (vapor or gas) inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:04
S12	0	reactor same filter cartridge same one way vlve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:06
S13	1	reactor same filter cartridge same one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:06

S14	54	filter cartridge same one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:06
S15	39	S14 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:06
S16	0	S15 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:07
S17	71	filter cartridge same valve and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:07
S18	49	S17 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:07
S19	929	filter with one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:10
S20	2	filter with one way valve same reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:10
S21	24	filter with one way valve and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:10
S22	18	S21 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:10
S23	7684	((422/131,129,130) or (210/220,409,411) or (530/334,333) or (96/7,9,11)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 10:15
S24	4411	S23 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:15
S25	7	S24 and filter cartridge and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:15
S26	436	S24 and filter and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:15
S27	175	S24 and filter same reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:16
S28	171	S27 not S25	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:16
S29	49	S28 and filter same valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:17

S30	32	S28 and filter with valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:20
S31	498	filter reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:22
S32	11	S31 and filter cartridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:22
S33	7	S32 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:22
S34	258	filter cartridge with valve with outlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:24
S35	189	filter cartridge with valve with outlet with inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:24
S36	109	S35 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:24
S37	0	S36 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:24
S38	6	filter cartridge with valve with outlet with inlet and one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:25
S39	4	("3184062").URPN.	USPAT	ADJ	ON	2008/09/03 10:27
S40	42	("3042215"   "3184062"   "3235085"   "3297162"   "3315809"   "3369666"   "3370708"   "3456800"   "3529722"   "3557957"   "3599792"   "3662893"   "3785491"   "3807561"   "3912630"   "3984318"   "3996137"   "4099540"   "4127484"   "4272368"   "4279746"   "4497706"   "4500425"   "4764275"   "4820409"   "4935127").PN. OR ("5250176").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:29
S41	27	S40 and filter same inlet same outlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:30
S42	17	S41 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 10:30
S43	1166	(210/459,321.64,321.72,321.77,321.88).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 12:22

S44	686	S43 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 12:22
S45	60	S44 and filter cartridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 12:22
S46	1	S44 and one way valve near filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 12:23
S47	7	S44 and filter near solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:08
S48	261	210/321.88.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:13
S49	204	S48 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:13
S50	1	S49 and removing near solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:14
S51	17	peptide same filter cartridge	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:14
S52	1	filter cartridge with valve with outlet with inlet and one way valve	FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/09/03 13:15
S53	0	filter cartridge near one way valve	FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/09/03 13:16
S54	5	filter cartridge near one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:16
S55	3	filter near one way valve and solid.ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:19
S56	31	(filter near one way valve).ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:20
S57	22	S56 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:20
S58	0	S57 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:20
S59	10	S56 and @ad<"20041117" and solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:20

S60	14	S56 and @ad<"20041117" and (solid or particulate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:25
S61	4	S60 not S59	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:25
S62	0	filter near valve near (solid or particulate) and gas inlet and liquid inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:27
S63	0	filter near valve and\ gas inlet and liquid inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:27
S64	17	filter near valve and gas inlet and liquid inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:27
S65	0	filter near gas inlet near (mixing or mixture) near solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:28
S66	4	filter same gas inlet near (mixing or mixture) same solid	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:29
S67	36	filter same (solid or particle or particulate) and gas inlet near (mixing or mixture)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:30
S68	21	S67 and @ad<"20041117" and (solid or particulate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:30
S69	24	S67 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:31
S70	2	filter same valve and gas inlet and liquid outlet and (solid phase) near (liquid or solution)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:34
S71	2034	solid phase near (liquid or solution) same (filtration or separation or filter or filtering or filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:35
S72	1391	S71 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:35
S73	1	S44 and S72	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:35
S74	28	("4025425"   "4776964"   "4790942"   "4867878"   "4876013"   "4906379"   "4911847"   "5000848"   "5143630"   "5254250"   "5679249"   "5707517").PN. OR ("5944998").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:36

S75	13	S74 and gas inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:36
S76	38	("2735547"   "3289608"   "3447511"   "3507397"   "3512651"   "3568837"   "3947364"   "4237006"   "4374030"   "4790942"   "5000848"   "5021165"   "5071542"   "5131757"   "5362395"   "5451349"   "5478484"   "5647977"   "5794791"   "5882530"   "5944998"   "6024874"   "6032931"   "6080317"   "6106713"   "6165365"   "6168724").PN. OR ("6669843"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:40
S77	14	S76 and filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 13:41
S78	5	("3369666"   "3567023"   "3802564"   "4524805").PN. OR ("6974539").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:02
S79	21	("3369666").URPN.	USPAT	ADJ	ON	2008/09/03 14:34
S80	0	reactor same filter same (one way or anti drainback) vavve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:37
S81	11	reactor same filter same (one way or anti drainback) valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:37
S82	5	S81 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:38
S83	2007	filter same (one way or anti drainback) valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:39
S84	4	S83 and filter near (horizontal)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:40
S85	22	S83 and filter near (vertical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:40
S86	4	("2004/0140254").URPN.	USPAT	ADJ	ON	2008/09/03 14:45
S87	4	("3184062").URPN.	USPAT	ADJ	ON	2008/09/03 14:45

S88	31	("2253686"   "2491180"   "2894630"   "2937756"   "2995249"   "3076551"   "3184062"   "3193101"   "3677412"   "3690460"   "3743096"   "3929643"   "3982520"   "4051036"   "4415448"   "4446017"   "4863599"   "4906365").PN. OR ("5139658").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 14:46
S89	1	"6936162".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 15:34
S90	1	slotted screen filter medium	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 15:38
S91	11	slotted screen filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 15:38
S92	6	S91 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/03 15:38
S93	7	((("3184062") or ("3369666") or ("3567023") or ("6974539") or ("3695437"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/08 15:36
S94	1	("20060014176").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 09:43
S95	5894	((b01d29/86) or (b01d29/01) or (b01d29/39) or (b01d29/00) or (b01d29/01) or (b01d25/26)).IPCR.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:14
S96	2344	S95 and @ad<"20041117"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:39
S97	2002	S96 and filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:39
S98	381	S97 and (plurality or multiple or multi) filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:40
S99	178	S98 and valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:40
S100	12	S98 and one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:41
S101	8	S99 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:43
S102	17	("1871122"   "3373104").PN. OR ("3666097").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:46

S103	1	S102 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:46
S104	12	("3666097"   "3891551"   "4405466"   "4540490"   "5149449").PN. OR ("5468397").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:47
S105	3	S104 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 10:50
S106	12	S97 and (plurality or multiple or multi) filter with valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 11:01
S107	10	S97 and filter with valve same reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 11:02
S108	1	("20070081922").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:07
S109	1	("5945070").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:07
S110	1	("5882601").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:10
S111	1	("5651943").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:13
S112	1	("5356596").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:13
S113	1	("20060014176").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:15
S114	1	((("2005605240") or ("7332633"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:17
S115	1	("20050106707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:18
S116	1	("5395594").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:20



S117	2	wo-9113084\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/22 11:22
S118	929	filter with one way valve	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 11:25
S119	0	(reactor and vessel with filter and filtrate outlet and gas near bottom).clm.	US-PGPUB	ADJ	ON	2008/09/22 12:07
S120	2	(reactor and vessel with filter and filtrate outlet).clm.	US-PGPUB	ADJ	ON	2008/09/22 12:08
S121	24	(reactor and vessel with filter and filtrate outlet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/09/22 12:09
S122	35	("4102778"   "4374095"   "4411869"   "4464255"   "4579647"   "4714592"   "4859427"   "4937051"   "5157054"   "5160428"   "5174877"   "5362453").PN. OR ("5520890").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 12:11
S123	1	"6878292".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 12:17
S124	1	"6320025".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 12:17
S125	4	("4192798"   "4242461"   "4283289").PN. OR ("6320025").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/09/22 12:18

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